

COMMONWEALTH OF VIRGINIA  
STATE AIR POLLUTION CONTROL BOARD  
REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION

9 VAC 5 CHAPTER 40.  
EXISTING STATIONARY SOURCES.

PART II.  
Emission Standards.

ARTICLE 6.  
Emission Standards for Rubber Tire  
Manufacturing Operations (Rule 4-6).

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9 VAC 5-40-580. Applicability and designation of affected facility.

A. The affected facility to which the provisions of this article apply is each process unit or operation.

B. The provisions of this article apply only to sources of volatile organic compounds in volatile organic compound emissions control areas designated in 9 VAC 5-20-206.

9 VAC 5-40-590. Definitions.

A. For the purpose of these regulations and subsequent amendments or any orders issued by the board, the words or terms shall have the meaning given them in subsection C of this section.

B. As used in this article, all terms not defined here shall have the meaning

given them in 9 VAC 5 Chapter 10 (9 VAC 5-10-10 et seq.), unless otherwise required by context.

C. Terms defined.

"Bead dipping" means the dipping of an assembled tire bead into a solvent based cement.

"Green tires" means assembled tires before molding and curing have occurred.

"Green tire spraying" means the spraying of green tires, both inside and outside, with release compounds which help remove air from the tire during molding and prevent the tire from sticking to the mold after curing.

"Pneumatic rubber tire manufacture" means the production of passenger car tires, light and medium truck tires, and other tires manufactured on assembly lines using automated equipment.

"Tread end cementing" means the application of a solvent based cement to the tire tread ends.

"Undertread cementing" means the application of a solvent based cement to the underside of a tire tread.

"Water based sprays" means release compounds, sprayed on the inside and outside of green tires, in which solids, water and emulsifiers have been substituted for all organic solvents.

9 VAC 5-40-600. Standard for volatile organic compounds.

A. Undertread cementing.

1. No owner or other person shall use or permit the use of any undertread cementing process unit unless such unit is equipped with a vapor control system that will remove, destroy or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions.

2. Achievement of the emission standard in subsection A 1 of this section by use of methods in 9 VAC 5-40-610 A will be acceptable to the board.

B. Tread end cementing.

1. No owner or other person shall use or permit the use of any tread end cementing process unit unless such unit is equipped with a vapor control system that will remove, destroy or prevent the discharge into the atmosphere of at least 85% by

weight of volatile organic compound emissions.

2. Achievement of the emission standard in subsection B 1 of this section by use of methods in 9 VAC 5-40-610 A will be acceptable to the board.

C. Bead dipping.

1. No owner or other person shall use or permit the use of any bead dipping process unit unless such unit is equipped with a vapor control system that will remove, destroy or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions.

2. Achievement of the emission standard in subsection C 1 of this section by use of methods in 9 VAC 5-40-610 A will be acceptable to the board.

D. Green tire spraying.

1. No owner or other person shall use or permit the use of any green tire spraying operation unless such vapor control methods are applied that will remove, destroy or prevent the discharge into the atmosphere of at least 95% by weight of volatile organic compound emissions.

2. Achievement of the emission standard in subsection D 1 of this section by use of methods in 9 VAC 5-40-610 B will be acceptable to the board.

9 VAC 5-40-610. Control technology guidelines.

A. Undertread cementing, tread end cementing and bead dipping.

The control system should consist of one of the following:

1. Carbon adsorption system.
2. Incineration system.
3. Any system of equal or greater control efficiency when compared to the standard in 9 VAC 5-40-600 A 1, B 1, or C 1 as applicable, provided such system is approved by the board.

B. Green tire spraying. The control method should consist of one of the following:

1. Use of water based sprays;
2. Carbon adsorption;

3. Incineration; or

4. Any method of equal or greater control efficiency when compared to the standard in 9 VAC 5-40-600 D 1, of this section, provided such method is approved by the board.

9 VAC 5-40-620. Standard for visible emissions.

The provisions of Article 1 (9 VAC 5-40-60 et seq.) of this chapter (Emission Standards for Visible Emissions and Fugitive Dust/Emissions, Rule 4-1) apply.

9 VAC 5-40-630. Standard for fugitive dust/emissions.

The provisions of Article 1 (9 VAC 5-40-60 et seq.) of this chapter (Emission Standards for Visible Emissions and Fugitive Dust/Emissions, Rule 4-1) apply.

9 VAC 5-40-640. Standard for odor.

The provisions of Article 2 (9 VAC 5-40-130 et seq.) of this chapter (Emission Standards for Odor, Rule 4-2) apply.

9 VAC 5-40-650. Standard for toxic pollutants.

The provisions of Article 3 (9 VAC 5-40-160 et seq.) of this chapter (Emission Standards for Toxic Pollutants, Rule 4-3) apply.

9 VAC 5-40-660. Compliance.

The provisions of 9 VAC 5-40-20 (Compliance) apply.

9 VAC 5-40-670. Test methods and procedures.

The provisions of 9 VAC 5-40-30 (Emission Testing) apply.

9 VAC 5-40-680. Monitoring.

The provisions of 9 VAC 5-40-40 (Monitoring) apply.

9 VAC 5-40-690. Notification, records and reporting.

The provisions of 9 VAC 5-40-50 (Notification, Records and Reporting) apply.

9 VAC 5-40-700. Registration.

The provisions of 9 VAC 5-20-160 (Registration) apply.

9 VAC 5-40-710. Facility and control equipment maintenance or malfunction.

The provisions of 9 VAC 5-20-180 (Facility and Control Equipment Maintenance or Malfunction) apply.

9 VAC 5-40-720. Permits.

A permit may be required prior to beginning any of the activities specified below and the provisions of 9 VAC 5 Chapter 50 (9 VAC 5-50-10 et seq.) and 9 VAC 5 Chapter 80 (9 VAC 5-80-10 et seq.) may apply. Owners contemplating such action should contact the appropriate regional office for guidance.

1. Construction of a facility.
2. Reconstruction (replacement of more than half) of a facility.
3. Modification (any physical change to equipment) of a facility.
4. Relocation of a facility.
5. Reactivation (restart-up) of a facility.

#### HISTORICAL NOTES:

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